

## Course description

### Tempus project EcoBRU

Course name
3 Assessing the impact on the environment: road, structures, enterprises for construction and maintenance works

Lecturer	Educational institution
<b>Course Director:</b> Shatalova E.E. <b>Other team members:</b> Galkina G.A., Myronyuk V.P., Meshcheryakov S.V.	RSUCE, Chair of the Transportation and Road Traffic

Deficit definition
Increasing environmental education teacher at the expense of the most complete disclosure of the mechanisms of interaction of road transport with the environment

Required space in the training	Course level	Course type
Advanced training		MOODLE

Target group	Duration	Languages
college teachers	60	Russian

Conditions	
<b>Conditions:</b> Internet	<b>Other requirements (if applicable)</b>

Ladder Points (1 un.=30 h)	Total hours	Class work	Independent work (h)
2	60	30	30

Topicality for EcoBRU**
Special course shows the influence of the road, other man-made structures, enterprises of road infrastructure, service facilities on the environment, providing knowledge for development and application of a system of an environmental management system at enterprises, contributing to the formation of ecological culture, improving the competitiveness of enterprises.

Themes / Content	MOODLE	Hours and tasks for independent work
1. Types and sources impact of transport facilities on the environment	6	6

2. Assessment of the impact on the environment, roads and facilities	6	6
3. Protection of the environment when performing of road maintenance works (winter maintenance of roads, summer maintenance)	4	4
4. Environmental protection at asphalt-concrete plants	4	4
5. Objects of road service	2	2
6. Environmental management at enterprises	8	8
TOTAL	60	

Forms of control and assessment			
Control form	Percentage ratio	Dates	Criteria of assessment
Test`s question (MOODLE)	30	within the framework of learning course	more than 59 %
Lecture on-line (MOODLE)	20		more than 59 %
Credit	50		<p>«Credit» - student shows good knowledge of educational material on the topics of the course. While logical and consistent presented material, reveals the meaning of the question, gives the right answers to additional questions.</p> <p>«Fail» - listener is difficult respond to questions raised, give partial answers to the questions from the basic literature recommended for the course.</p>

Terms and conditions of access to monitoring and assessment of knowledge (exam)
Test`s question (MOODLE) & Lecture on-line (MOODLE) more than 59

Document type certifying the successful course visiting (Certificate?)
Certificate of professional development

Organizational guidelines
<p><b>Place:</b> RSUCE</p> <p><b>The recommended number of participants:</b> no regulate</p>

<b>Literature and educational materials</b>				
<b>Author</b>	<b>Year of publishing</b>	<b>Title</b>	<b>Pages number</b>	<b>Place of publication, publisher or an online link</b>
<b>Basic literature</b>				
Ю. В. Трофименко, Г.И. Евгеньев.	2006	Экология: Транспортное сооружение и окружающая среда: учеб. пособие для студ. высш. учеб. заведений	394	М.: Издательский центр «Академия»
М. В. Графкина	2009	Экология и экологическая безопасность автомобиля: учебник	320	М.: Форум
В. И. Жуков	2012	Оценка воздействия транспортно-дорожного комплекса на окружающую среду: учеб. пособие		[Электронный ресурс] Красноярск : Сиб. федер. ун-т
Серов Г.П.	2008	Экологический аудит и экоаудиторская деятельность: научно-практическое руководство.	408	М.: Издательство «Дело» АНХ
И. Беллмане, К. Далхаммар	2002	Системы экологического менеджмента: Практическое пособие по внедрению СЭМ в соответствии Международного Стандарта ИСО 14001	196	Лундский университет, Швеция
<b>Additional resources</b>				
И. С Туревский	2014	Охрана труда на автомобильном транспорте	240	М.: ИД ФОРУМ: НИЦ ИНФРА-М